

9/11/03

W1159-01EY

INFORMATION UNDER 37 CFR 1.56(a)

(For Initial Filing)

The following references are submitted as information
to comply with the duty of disclosure under 37 CFR 1.56(a):

References	Disclosed in the specification?		Copy			Translation	
	Yes	No	Enc.	Follow	Please obtain	Enc.	Not available
N.A. 1. JP-A-2001-167040	<input type="radio"/>		<input type="radio"/>			<input type="radio"/> (only abstract)	
N.M. 2. JP-A-2001-337868	<input type="radio"/>		<input type="radio"/>			<input type="radio"/> (only abstract)	
N.P. 3. U.S. Patent application publication US2001/0014956A1	<input type="radio"/>		X				
N.M. 4. JP-A-9-330184		<input type="radio"/>	<input type="radio"/>			<input type="radio"/> (only abstract)	
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FORM PTO-1449 U.S. Department of
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ATTY. DOCKET NO.

SERIAL NO.

500.43116X00

10/659,398

INFORMATION DISCLOSURE
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APPLICANT
K. SUZUKI, et al

FILING DATE
September 11, 2003

GROUP

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
N.M.	2 0 1 8 9 8 1 1	10/03	Peeke et al			
N.M.	2 0 1 3 5 5 7 7	7/03	Weber et al			
N.M.	2 0 1 1 7 5 1 7	6/04	Beauchamp et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
1 5 0 7 4 6	5/02	Japan			XX

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

N.M.	ESG Product Brief EMC, March 2003, CLARIION with ATA, pp. 1-2.
N.M.	EMC CLARIION Backup Storage Solutions Back-up-to-Disk Guide with LEGATO Networker DiskBackup Option (DBO), Engineering White Paper, 4/8/2003, pp. 1-28.
N.M.	EMC CLARIION Backup Storage Solutions Backup-to-disk Guide with Computer Associates' BrightStor ARCserve Backup, Engineering White Paper, 4/16/2003, pp. 1-24.
N.M.	EMC CLARIION Backup Storage Solutions Backup-to-Disk: An Overview, Engineering White Paper, 3/3/2003, pp. 1-10.
N.M.	EMC CLARIION Backup Storage Solutions Backup-to-Disk Guide with CommVault Galaxy, Engineering White Paper, 3/3/2003, pp. 1-26.
N.M.	EMC CLARIION Backup Storage Solutions Backup-to-Disk Guide with Computer Associates BrightStor Enterprise Backup, Engineering White Paper, 4/16/2003, pp. 1-23.

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N.M.	5 8 1 2 7 5 4	9/98	Lui et al			
N.M.	5 8 2 2 7 8 2	10/98	Humlcek et al			
N.M.	6 4 4 9 7 0 9	9/02	Gates			
N.M.	2 0 0 6 2 3 8 7	5/02	Yatziv			
N.M.	2 0 0 6 2 4 5 4	5/02	Fung			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
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N.M.	1 0 0 1 3 4 5	5/00	European		

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U.S. PATENT DOCUMENTS[illegible]

N.M.

[illegible]

		Serial Attached SCSI and Serial ATA Compatibility, Intel, 2002, pp. 1-8.

EXAMINER 	DATE CONSIDERED 03, 08, 06
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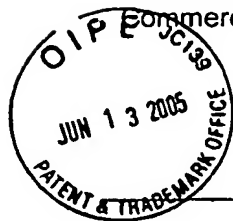
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N.M.	6 6 3 6 9 3 4	10/03	Linnell			
	5 9 5 1 6 9 1	09/99	Ng et al			
	6 1 1 5 7 9 7	09/00	Kanda et al			
	6 1 7 3 3 6 0	1/01	Beardsley et al			
	6 5 5 3 4 0 8	4/03	Merrell et al			
	6 6 0 6 6 9 0	8/03	Padovano			
	6 7 7 2 3 6 5	8/04	Obara			
2 0 0 4	0 1 6 2 9 4 0	8/04	Yagisawa et al			
2 0 0 3	0 2 2 1 0 6 1	11/03	El-Batal			

FOREIGN PATENT DOCUMENTS

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0 8 4 4 5 6 1	5/98	European			YES

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N.M.	6 1 0 8 7 4 8	08/00	Ofek et al			
	6 5 1 0 4 9 1	1/03	Franklin et al			
	6 6 5 1 1 3 7	11/03	Baek et al			
	6 7 0 8 2 3 2	03/04	Obara et al			
	5 5 4 6 5 5 8	8/96	Jacobson et al			

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1 3 1 5 0 7 4	5/03	European			

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N.M.	2 0 0 4	0	1	9	9	5	1	5	10/04	Penny et al			
N.M.	2 0 0 2	0	1	3	8	7	0	5	9/02	Suzuki et al			
N.M.	2 0 0 3	0	2	2	1	0	7	7	11/03	Ohno et al			
N.M.	2 0 0 4	0	0	1	0	6	6	2	1/04	Aruga			

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N.M.	2 0 0 3	0	0	9	7	6	0	7	5/03	Bessire			
N.M.	2 0 0 4	0	0	1	0	6	6	0	1/04	Konshak et al			
N.M.	2 0 0 4	0	0	7	8	7	0	7	4/04	Apperley et al			
N.M.	2 0 0 4	0	0	7	3	7	4	7	4/04	Lu			
N.M.	2 0 0 4	0	1	7	7	2	1	8	9/04	Meehan et al			

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	5 8 3 8 8 9 1	11/98	Mizuno et al			
	5 8 6 7 7 3 6	2/99	Jantz			
	5 8 8 4 0 9 8	3/99	Mason, Jr.			
	6 2 1 9 7 5 2	4/01	Sekido			
	6 2 2 3 2 4 9	4/01	Kato et al			
	6 5 4 9 9 7 8	5/03	Mansur et al			
	6 6 4 0 2 7 8	10/03	Nolan et al			
	6 6 8 4 2 9 5	1/04	Fujimoto et al			
	6 7 4 5 2 8 7	6/04	Fujimoto et al			
	6 2 0 1 6 9 2	3/01	Gamble et al			

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N.M.	2 3 3 3 9 5 4	11/02	Japan			
N.M.	2 1 7 8 5 5 7	6/04	Japan			

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N.M.	6 6 2 8 5 1 3	9/03	Gallagher et al			
	6 8 3 1 8 3 9	12/04	Bovell			
	6 0 6 1 7 5 0	5/00	Beardsley et al			
	6 7 6 3 4 3 6	7/04	Gabber et al			
	6 7 9 2 4 8 6	9/04	Hanan et al			
	6 1 3 7 6 7 9	10/00	Chang			
	6 3 5 1 3 7 5	2/02	Hsieh et al			
	6 4 8 4 2 3 6	11/02	Fujimoto et al			
	6 4 8 4 2 6 9	11/02	Kopylovitz			
	6 7 2 8 9 2 2	4/04	Sundaram et al			
	5 4 7 5 8 1 4	12/95	Tomimitsu			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT YES
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N.M.	IBM Technical Disclosure Bulletin vol. 38, No. 7, July 1995 (New York), "Foreground/Background Checking of Parity in a Redundant Array of Independent Disks-5 Storage Subsystem", pp. 455-458.
N.M.	Laboratory Automation and Information Management 32, 1996, (Elsevier Science B.V.), R E Dessey, "Computer Connections", pp. 53-62.

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	APPLICANT K. SUZUKI, et al	
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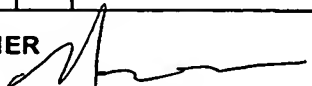
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		6	1	5	4	8	5	0	11/00	Idleman et al			
		6	4	0	0	7	3	0	6/02	Latif, et al			

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N.M.	2 0 0 1	1	4	2	6	5	0		5/01	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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N.M.	2 0 0 3	0	0	9	7	5	0	4	5/03	Oeda et al			
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	2 0 0 3	0	1	9	6	1	4	7	10/03	Hirata et al			
	2 0 0 3	0	2	0	4	6	7	1	10/03	Matsunami et al			

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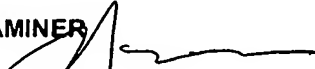
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N.M.	2 0 0 2 4 9 3 0	2/04	Nakayama et al			
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	2 0 1 0 7 3 2 5	6/04	Mori			

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N.M.	2 0 0 1	0	0	4	6	1	1	8	11/01	Yamanashi et al			
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	2 0 0 2	0	1	6	2	0	5	7	10/02	Talagala			
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N.M.	2 0 0 3	0	2	2	1	0	6	1	11/03	El-Batal et al			
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	2 0 0 4	0	2	6	7	5	1	6	12/04	Jibbe et al			
	2 0 0 5	0	0	2	7	9	0	0	2/05	Petty			

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<i>d. H.</i>	2 0 0 3	0	2	3	1	4	2	0	12/03	Kano et al			
	2 0 0 4	0	0	8	8	4	8	2	5/04	Tanzer et al			
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	2 0 0 3	0	0	4	6	4	6	0	3/03	Inoue et al			
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		6	6	8	4	2	8	2	1/04	Kocis			
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	2 0 0 2	0	0	1	9	8	9	7	2/02	Cruyningen			
	2 0 0 4	0	2	4	3	3	8	6	12/04	Stolowitz et al			

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		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
													YES
N.M.	2 0 0 3	3	6	1	4	6			2/03	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER									DATE CONSIDERED				

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(Form PTO-1449 [6-4])

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ATTY. DOCKET NO.

SERIAL NO.

500.43116X00

10/659,398

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EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING D. IF APPROP
N.M.	2 0 0 3	0	2	1	2	8	5	9	11/03	Ellis			
	2 0 0 4	0	1	4	8	4	6	0	7/04	Steinmetz			
	2 0 0 4	0	1	4	8	4	6	1	7/04	Steinmetz			
	2 0 0 4	0	2	3	6	9	0	8	11/04	Suzuki et al			
	2 0 0 3	0	1	1	0	3	3	0	6/03	Fujie et al			
		5	8	4	5	3	1	9	12/98	Yorimitsu			
✓	2 0 0 3	0	1	4	9	8	4	0	8/03	Bolt, et al			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING IF APPROF
N.M.	2 0 1 4 4 0 4 8	10/02	Bolt, et al			
	2 0 1 4 7 9 4 5	10/02	Fox et al			
	2 0 1 5 3 6 1 4	5/04	Bitner et al			
	2 0 1 6 3 6 3 9	8/03	Baum			
	5 8 3 2 2 0 4	11/98	Apperley et al			
	6 2 4 0 4 8 6	5/01	Ofek et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRA YES
5 1 5 0 9 0 9	6/93	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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N.M.		6	4	4	9	7	0	9	09/02	Gates			
		6	6	8	4	2	9	5	1/04	Fujimoto et al			
		6	7	4	5	2	8	7	6/04	Fujimoto et al			
	2 0 0 3	0	1	1	0	3	3	0	06/03	Fujie et al			
	2 0 0 3	0	2	1	2	8	5	9	11/03	Ellis et al			
	2 0 0 3	0	2	2	1	0	6	1	11/03	El-Batal et al			
	2 0 0 3	0	0	4	1	2	7	8	2/03	Lin			
	2 0 0 4	0	0	7	8	7	0	7	04/04	Apperley et al			
	2 0 0 4	0	0	1	0	6	6	0	1/04	Konshak			

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N.M.	2 0 0 4	0	1	1	1	5	6	0		Takase et al			
	2 0 0 4	0	2	6	7	5	1	6		Jibbe et al			
	2 0 0 5	0	0	2	7	9	0	0		Petty			

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N.M.	2 0 0 2	1	5	0	7	4	6		05/02	Japan			
	2 0 0 2	3	3	3	9	5	4		11/02	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

N.M.	EMC 2-Gigabit Disk-Array Enclosure EMC Corporation (DAE2), FC and ATA Models, Hardware Reference P/N 014003048, Rev A02
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A circular black ink stamp from the Office of Intellectual Property (OIPE). The text "OIPE" is at the top, "JUL 25 2005" is in the center, and "PATENT & TRADEMARK OFFICE" is at the bottom. The stamp is slightly tilted.

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N.M.	2005 0117468	06/05	Kano et al			
	2005 0120263	06/05	Kano et al			
	2005 0120264	06/05	Kano et al			
	2005 0154942	7/05	Kano et al			
	6282602	8/01	Blumenau et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

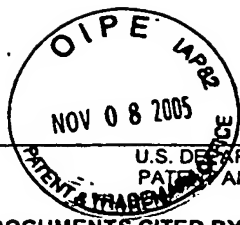
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EXAMINER INITIAL		DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
N.M.	AA	2002/ 0069317	06/06/02	Chow et al			
	AB	2002/ 0069334	6/06/02	Hsia et al			
	AC	2003/ 0031187	02/13/03	Heffernan et al			
	AD	2003/ 00221061	11/27/03	El-Batal et al			
	AE	2004/ 0010660	01/15/04	Konshak et al			
	AF	2004/ 0034731	02/19/04	Sivertsen			
	AG	2004/ 0193791	09/30/04	Felton et al			
	AH	2004/ 0148460	07/29/04	Steinmetz et al			
	AI	6,834,326	12/21/04	Wang et al			
	AJ	2005/ 0097132	05/05/05	Cochran et al			
	AK	2005/ 0138154	06/23/05	Seto			

FOREIGN PATENT DOCUMENTS

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	AN						<input type="checkbox"/>	<input type="checkbox"/>
	AO						<input type="checkbox"/>	<input type="checkbox"/>
	AP						<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

N.M.	AR	SGI InfiniteStorage TP9300S Storage Array, Data Sheet, available at: http://www.sgi.com/pdfs/3643.pdf
	AS	Adaptec FS4500 Fibre to SATA RAID, Data Sheet, available at: http://www.sunstarco.com/PDF%20Files/Adaptec%20FS4500%20SATA.pdf
	AT	Infotrend EonStor A16F-R1211/S1211 FC-to-SATA RAID Subsystem product information, available at: http://www.infotrend.com/2_product/a16f-r(s)1211.asp

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	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

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	AN						<input type="checkbox"/>	<input type="checkbox"/>
	AO						<input type="checkbox"/>	<input type="checkbox"/>
	AP						<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

N.M.	AR	Synetic Inc., SyneRAID -800SA, SCSI/Fibre-to-SATA RAID Subsystem product information, available at:
		http://www.synetic.net/Synetic-Products/SyneRAID-Units/SyneRAID-800SATA/SyneRAID-800SA.html
N.M.	AS	"SATA Disk System and Expansion of Unit offer 3.5 TB storage",
		Product News Network, Nov. 1, 2004.
	AT	

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		FILING DATE September 11, 2003	GROUP 2187

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* EXAMINER INITIAL	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
N.M.	AA 6,763,409	07/13/04	Elliott, Stephen J.			
	AB 5,812,754	09/22/98	Liu et al			
	AC 5,432,046	06/06/95	Nunnelley et al			
	AD 5,848,282	12/08/98	Kang et al			
	AE 2002/ 062454	05/23/02	Fung, Henry T.			
	AF 5,805,788	09/08/98	Johnson			
	AG 2004/ 0221101	11/04/04	Voorhees et al			
	AH					
	AI					
	AJ					
	AK					

FOREIGN PATENT DOCUMENTS

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N.M.	AL 2002/ 333954	11/22/02	JP (with English Abstract)			<input type="checkbox"/>	<input type="checkbox"/>
N.M.	AM 0795824	09/17/97	EP			<input type="checkbox"/>	<input type="checkbox"/>
	AN					<input type="checkbox"/>	<input type="checkbox"/>
	AO					<input type="checkbox"/>	<input type="checkbox"/>
	AP					<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

N.M.	AR	Judd, Ian, "Device Services Interface", Online, June 19, 1996, pp. 1-8.
N.M.	AS	"Veritas Volume Manager Storage Administrator 3.2, Administrator's Guide", Veritas Software Corporation, Online, July, 2001, pp. 1-184.
	AT	

EXAMINER 	DATE CONSIDERED 03/08/06
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